

STIC-Biotech/ChemLib

113533

From: Li, Ruixiang  
Sent: Wednesday, February 04, 2004 1:16 PM  
To: STIC-Biotech/ChemLib  
Subject: Sequence search of Application NO: 09/823,038

Please do a standard search on SEQ ID NO: 33 against interference amino acid databases.

Thank you very much!

Ruixiang Li  
GAU 1646  
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(571) 272-0875

Searcher: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Location: \_\_\_\_\_  
Date Picked Up: 2/4/04  
Date Completed: 2/5/04  
Searcher Prep/Review: \_\_\_\_\_  
Clerical: \_\_\_\_\_  
Online time: \_\_\_\_\_

TYPE OF SEARCH:  
NA Sequences: \_\_\_\_\_  
AA Sequences: 1  
Structures: \_\_\_\_\_  
Bibliographic: \_\_\_\_\_  
Litigation: \_\_\_\_\_  
Full text: \_\_\_\_\_  
Patent Family: \_\_\_\_\_  
Other: \_\_\_\_\_

VENDOR/COST (where applic.)  
STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
Questel/Orbit: \_\_\_\_\_  
DRLink: \_\_\_\_\_  
Lexis/Nexis: \_\_\_\_\_  
Sequence Sys.: osp  
WWW/Internet: \_\_\_\_\_  
Other (specify): \_\_\_\_\_



GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: February 4, 2004, 14:12:35 ; Search time 21 Seconds  
(Without alignments)  
648.766 Million cell updates/sec

Title: US-09-823-038A-33

Perfect score: 1779  
Sequence: 1 RRAAPCCSCRCRCWGPSPHR.....VLPTGVDWSPDGSYLKPL 322

Scoring table:

BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 45 summaries

Database :

Issued Patents AA:\*  
1: /cgn2\_6/ptodata/1/1aa/5A COMB .pep.\*  
2: /cgn2\_6/ptodata/1/1aa/5B COMB .pep.\*  
3: /cgn2\_6/ptodata/1/1aa/6A COMB .pep.\*  
4: /cgn2\_6/ptodata/1/1aa/6B COMB .pep.\*  
5: /cgn2\_6/ptodata/1/1aa/PCTUS .COMB .pep.\*  
6: /cgn2\_6/ptodata/1/1aa/backfile1 .pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1779	100.0	322	3 US-09-383-586-33	Sequence 33, App1
2	1448	81.4	504	4 US-09-996-243-119	Sequence 119, App1
3	1371	77.1	529	3 US-09-383-586-31	Sequence 31, App1
4	1029	57.8	439	3 US-09-383-586-32	Sequence 32, App1
5	391	22.0	801	3 US-09-383-630-6	Sequence 6, App1
6	378	21.2	806	3 US-09-383-630-3	Sequence 3, App1
7	375.5	21.1	355	1 US-08-471-570-14	Sequence 14, App1
8	375.5	21.1	643	1 US-08-471-570-6	Sequence 6, App1
9	375.5	21.1	769	1 US-08-471-570-8	Sequence 8, App1
10	373	21.0	816	1 US-07-640-029-1	Sequence 1, App1
11	371.5	20.9	821	2 US-08-451-822A-13	Sequence 13, App1
12	371.5	20.9	821	4 US-08-323-430-13	Sequence 13, App1
13	364.5	20.5	820	1 US-07-921-807B-3	Sequence 3, App1
14	364.5	20.5	820	1 US-08-441-944A-3	Sequence 3, App1
15	364.5	20.5	820	1 US-08-439-992A-1	Sequence 1, App1
16	362.5	20.4	802	4 US-09-173-151A-33	Sequence 33, App1
17	360.5	20.3	351	5 PCT-US93-05703-2	Sequence 2, App1
18	360.5	20.3	817	1 US-07-640-029-2	Sequence 2, App1
19	360.5	20.3	822	1 US-07-921-807B-4	Sequence 4, App1
20	360.5	20.3	822	1 US-08-459-296-2	Sequence 2, App1
21	360.5	20.3	822	1 US-08-441-944A-4	Sequence 4, App1
22	360.5	20.3	822	2 US-08-451-822A-12	Sequence 12, App1
23	360.5	20.3	822	4 US-08-439-992A-2	Sequence 2, App1
24	360.5	20.3	822	4 US-08-323-430-12	Sequence 12, App1
25	359.5	20.2	822	1 US-07-997-133-1	Sequence 1, App1
26	350	19.7	126	3 US-09-383-586-30	Sequence 30, App1
27	349.5	19.6	820	1 US-08-166-717D-6	Sequence 6, App1

28	308	17.3	300	1 US-07-640-029-5	Sequence 5, App1
29	308	17.3	300	3 US-08-439-992A-5	Sequence 5, App1
30	307	17.3	526	1 US-08-471-570-4	Sequence 4, App1
31	307	17.3	652	1 US-08-471-570-10	Sequence 10, App1
32	306	17.2	302	1 US-07-921-807B-7	Sequence 7, App1
33	306	17.2	302	1 US-08-441-944A-7	Sequence 7, App1
34	305	17.1	340	1 US-08-471-570-12	Sequence 12, App1
35	304	17.1	302	1 US-07-640-029-6	Sequence 6, App1
36	304	17.1	302	1 US-07-921-807B-8	Sequence 8, App1
37	304	17.1	302	1 US-08-441-944A-8	Sequence 8, App1
38	304	17.1	302	3 US-08-439-992A-6	Sequence 6, App1
39	304	17.1	731	1 US-07-921-807B-5	Sequence 5, App1
40	304	17.1	731	1 US-08-441-944A-5	Sequence 5, App1
41	304	17.1	731	3 US-08-439-992A-3	Sequence 3, App1
42	304	17.1	733	1 US-07-640-029-4	Sequence 4, App1
43	304	17.1	733	1 US-07-921-807B-6	Sequence 6, App1
44	304	17.1	733	1 US-08-441-944A-6	Sequence 6, App1
45	304	17.1	733	3 US-08-439-992A-4	Sequence 4, App1

## ALIGNMENTS

RESULT 1					
US-09-383-586-33					
; Sequence 33, Application US/09383586					
; Patent No. 6242419					
; GENERAL INFORMATION:					
; APPLICANT: Strachan, Lorna					
; APPLICANT: Sleeman, Matthew					
; APPLICANT: Abernethy, Nevin					
; APPLICANT: Onusht, Rene					
; APPLICANT: Kumble, Anand					
; APPLICANT: Murlson, Greg					
; TITLE OF INVENTION: Compounds isolated from stromal cells					
; FILE OF INVENTION: and methods for their use					
; FILE REFERENCE: 11000.1037c1					
; CURRENT APPLICATION NUMBER: US/09/383,586					
; CURRENT FILING DATE: 1999-08-26					
; NUMBER OF SEQ ID NOS: 38					
; SOFTWARE: FastSeq for Windows Version 3.0					
; SEQ ID NO 33					
; LENGTH: 322					
; TYPE: PRT					
; ORGANISM: Human					
US-09-383-586-33					
Query Match					
Best Local Similarity 100.0%; Score 1779; DB 3; Length 322;					
Matches 322; Conservative 0; Mismatches 0; Indels 0; Gaps 0;					
QY	1	RRAAPCCSCRCRCWGPSPHRPPPEAPQWRTRMWSHGRWPAGPHCAAVPVEDPPLTM	60		
DB	1	RRAAPCCSCRCRCWGPSPHRPPPEAPQWRTRMWSHGRWPAGPHCAAVPVEDPPLTM	60		
QY	61	WTXDGTTTSGMSRRPVLPQGLKXQVEREDAGVYCKATNGFGSLSTVYTLVLDISP	120		
DB	61	WTXDGTTTSGMSRRPVLPQGLKXQVEREDAGVYCKATNGFGSLSTVYTLVLDISP	120		
QY	121	GSESLPDDSSSGQEDPASCQWAPRPTOPSKMRRRVIRPVGSSVRLCKVASGHRPPI	180		
DB	121	GSESLPDDSSSGQEDPASCQWAPRPTOPSKMRRRVIRPVGSSVRLCKVASGHRPPI	180		
QY	181	TWKKDQALTRPBAEPKRXKWTLSIKNLRPDSGKYTCRVSNRAGAINATYKVDVIQRT	240		
DB	181	TWKKDQALTRPBAEPKRXKWTLSIKNLRPDSGKYTCRVSNRAGAINATYKVDVIQRT	240		
QY	241	RSPVLTGHPVNTVYDGGTTSFOCKVPSDVYQWIKRYEGAGEGHNSTIDVGQK	300		
DB	241	RSPVLTGHPVNTVYDGGTTSFOCKVPSDVYQWIKRYEGAGEGHNSTIDVGQK	300		
QY	301	FVLTPTGVDWSPDGSYLKPL 322			
DB	301	FVLTPTGVDWSPDGSYLKPL 322			

Db 301 FVVLPTGVDWRPDSGLNKPL 322

## RESULT 2

US-09-996-243-119

Sequence 119, Application US/09996243

Patent No. 6478825

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.

APPLICANT: Baker, Kevin P.

APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napoleone

APPLICANT: Fong, Sherman

APPLICANT: Gerber, Hanspeter

APPLICANT: Gerlitsen, Mary E.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, J. Christopher

APPLICANT: Gurney, Austin L.

APPLICANT: Kijavlin, Ivar J.

APPLICANT: Napier, Mary A.

APPLICANT: Pan, James

APPLICANT: Paoni, Nicholas F.

APPLICANT: Roy, Margaret Ann

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Watanabe, Colin K.

APPLICANT: Williams, P. Mickey

APPLICANT: Wood, William I.

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

Acids Encoding the Same

FILE REFERENCE: P2730P1C13

CURRENT APPLICATION NUMBER: US/09/996,243

PRIOR FILING DATE: 2001-11-14

PRIOR APPLICATION NUMBER: 60/049787

PRIOR FILING DATE: 1997-06-16

PRIOR APPLICATION NUMBER: 60/062250

PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/065186

PRIOR FILING DATE: 1997-11-12

PRIOR APPLICATION NUMBER: 60/065311

PRIOR FILING DATE: 1997-11-13

PRIOR APPLICATION NUMBER: 60/066770

PRIOR FILING DATE: 1997-11-24

PRIOR APPLICATION NUMBER: 60/075945

PRIOR FILING DATE: 1998-02-25

PRIOR APPLICATION NUMBER: 60/078910

PRIOR FILING DATE: 1998-03-20

PRIOR APPLICATION NUMBER: 60/083322

PRIOR FILING DATE: 1998-04-28

PRIOR APPLICATION NUMBER: 60/084600

PRIOR FILING DATE: 1998-05-07

PRIOR APPLICATION NUMBER: 60/087106

PRIOR FILING DATE: 1998-05-28

PRIOR APPLICATION NUMBER: 60/087607

PRIOR FILING DATE: 1998-06-02

PRIOR APPLICATION NUMBER: 60/087609

PRIOR FILING DATE: 1998-06-02

PRIOR APPLICATION NUMBER: 60/087759

PRIOR FILING DATE: 1998-06-02

PRIOR APPLICATION NUMBER: 60/087827

PRIOR FILING DATE: 1998-06-03

PRIOR APPLICATION NUMBER: 60/088021

PRIOR FILING DATE: 1998-06-04

PRIOR APPLICATION NUMBER: 60/088025

PRIOR FILING DATE: 1998-06-04

PRIOR APPLICATION NUMBER: 60/088026

PRIOR FILING DATE: 1998-06-04

PRIOR APPLICATION NUMBER: 60/088028

PRIOR FILING DATE: 1998-06-04

PRIOR APPLICATION NUMBER: 60/090246

PRIOR FILING DATE: 1998-06-22

PRIOR APPLICATION NUMBER: 60/090252

PRIOR FILING DATE: 1998-06-22

PRIOR APPLICATION NUMBER: 60/090254

;; PRIOR FILING DATE: 1998-06-22  
;; PRIOR APPLICATION NUMBER: 60/090349  
;; PRIOR FILING DATE: 1998-06-23  
;; PRIOR APPLICATION NUMBER: 60/090355  
;; PRIOR FILING DATE: 1998-06-23  
;; PRIOR APPLICATION NUMBER: 60/090429  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090431  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090435  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090444  
;; PRIOR FILING DATE: 1998-06-24  
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;; PRIOR FILING DATE: 1998-06-24  
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;; PRIOR FILING DATE: 1998-06-24  
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;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090540  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090542  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090557  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090676  
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;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090695  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090696  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090862  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/090863  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/091360  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091478  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091544  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091519  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091626  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091633  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 81.4%; Score 1448; DB 4; Length 504;  
Best Local Similarity 99.6%; Pred. No. 1.3e-120;  
Matches 272; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 50 PVEGDDPPLTMTKDGRTTHSGMSRFRVLPQGLKVKOVEREDAGYVVCATNGFGLSVN 109  
DB 52 PVEGDDPPLTMTKDGRTTHSGMSRFRVLPQGLKVKOVEREDAGYVVCATNGFGLSVN 111  
QY 110 YTLIVLDDISPKGESIGPPSSSGGQEDPASQOMARPRFTQPSKMRRRVIAAPVGSVRUK 169  
DB 112 YTLIVLDDISPKGESIGPPSSSGGQEDPASQOMARPRFTQPSKMRRRVIAAPVGSVRUK 171  
QY 170 CVASGHRPDIITWMDQALTRPEAAEPKRWTLISLKNLRPDSGKYTCRVSNRAGAIN 229

|||||  
DB 172 CVASGHRPDIITWMDQALTRPEAAEPKRWTLISLKNLRPDSGKYTCRVSNRAGAIN 231  
QY 230 ATYKVDVIQRTSRKSPVLTGTHPVTNTVDGTTSPCKKRSVVKPYIOWLKRVEYGAEGR 289  
DB 232 ATYKVDVIQRTSRKSPVLTGTHPVTNTVDGTTSPCKKRSVVKPYIOWLKRVEYGAEGR 291  
QY 290 HNSTIDVGQKRFVLPDGVMSRPGGSYLNKPL 322  
DB 292 HNSTIDVGQKRFVLPDGVMSRPGGSYLNKPL 324

RESULT 3  
US-09-383-586-31  
; Sequence 31, Application US/09383586  
; Patent No. 6242419  
; GENERAL INFORMATION:  
; APPLICANT: Strachan, Lorna  
; APPLICANT: Sleeman, Matthew  
; APPLICANT: Abernethy, Nevlin  
; APPLICANT: Omtust, Rene  
; APPLICANT: Kumbale, Anand  
; APPLICANT: Murison, Greg  
; TITLE OF INVENTION: Compounds isolated from stromal cells  
; FILE REFERENCE: 11000.1037c1  
; CURRENT APPLICATION NUMBER: US/09/383,586  
; CURRENT FILING DATE: 1999-08-26  
; NUMBER OF SEQ ID NOS: 38  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 31  
; LENGTH: 529  
; TYPE: RPT  
; ORGANISM: Mouse  
US-09-383-586-31

Query Match 77.1%; Score 1371; DB 3; Length 529;  
Best Local Similarity 93.4%; Pred. No. 9.4e-114;  
Matches 255; Conservative 8; Mismatches 10; Indels 0; Gaps 0;

QY 50 PVEGDDPPLTMTKDGRTTHSGMSRFRVLPQGLKVKOVEREDAGYVVCATNGFGLSVN 109  
DB 48 PVEGDDPPLTMTKDGRTTHSGMSRFRVLPQGLKVKOVEREDAGYVVCATNGFGLSVN 107  
QY 110 YTLIVLDDISPKGESIGPPSSSGGQEDPASQOMARPRFTQPSKMRRRVIAAPVGSVRUK 169  
DB 108 YTLIVLDDISPKGESIGPPSSSGGQEDPASQOMARPRFTQPSKMRRRVIAAPVGSVRUK 167  
QY 170 CVASGHRPDIITWMDQALTRPEAAEPKRWTLISLKNLRPDSGKYTCRVSNRAGAIN 229  
DB 168 CVASGHRPDIITWMDQALTRPEAAEPKRWTLISLKNLRPDSGKYTCRVSNRAGAIN 227  
QY 230 ATYKVDVIQRTSRKSPVLTGTHPVTNTVDGTTSPCKKRSVVKPYIOWLKRVEYGAEGR 289  
DB 228 ATYKVDVIQRTSRKSPVLTGTHPVTNTVDGTTSPCKKRSVVKPYIOWLKRVEYGAEGR 287  
QY 290 HNSTIDVGQKRFVLPDGVMSRPGGSYLNKPL 322  
DB 288 HNSTIDVGQKRFVLPDGVMSRPGGSYLNKPL 320

RESULT 4  
US-09-383-586-32  
; Sequence 32, Application US/09383586  
; Patent No. 6242419  
; GENERAL INFORMATION:  
; APPLICANT: Strachan, Lorna  
; APPLICANT: Sleeman, Matthew  
; APPLICANT: Abernethy, Nevlin  
; APPLICANT: Omtust, Rene  
; APPLICANT: Kumbale, Anand  
; APPLICANT: Murison, Greg  
; TITLE OF INVENTION: Compounds isolated from stromal cells

```

; TITLE OF INVENTION: and methods for their use
; FILE REFERENCE: 11000.1037c1
; CURRENT APPLICATION NUMBER: US/09/383,586
; CURRENT FILING DATE: 1999-08-26
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 32
; LENGTH: 439
; TYPE: PRT
; ORGANISM: Mouse
; US-09-383-586-32

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Query Match          57.8%; Score 1029; DB 3; Length 439;
Best Local Similarity 93.7%; Pred. No. 1.9e-83;
Matches 194; Conservative 4; Mismatches 9; Indels 0; Gaps 0;

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QY 116 DISPKESLGPSSSGGQEDPASQOMAPRPTOPSKMRRIARPVSSVRLKCVASGH 175
DB 23 DISPKESPGSGSSGGQEDPASQOMAPRPTOPSKMRRIARPVSSVRLKCVASGH 82
QY 176 PRPDITWMDQDALTRPEAAEPKKKWTLSIKVLRPESGKYTCRVSNRAGAINATYKVD 235
DB 83 PRPDITWMDQDALTRPEAAEPKKKWTLSIKVLRPESGKYTCRVSNRAGAINATYKVD 142
QY 236 VIQRTSRKPVLTGTHPVNTTVDPGTTSFOCKVRSVVKVIOVLKREYGAEGRNHSTID 295
DB 143 VIQRTSRKPVLTGTHPVNTTVDPGTTSFOCKVRSVVKVIOVLKREYGAEGRNHSTID 202
QY 296 VGGQKRVVLPDGDVMSRPGSYINKPL 322
DB 203 VGGQKRVVLPDGDVMSRPGSYINKPL 229

```

## RESULT 5

```

; US-09-383-630-6
; Sequence 6, Application US/09383630A
; Patent No. 6265632
; GENERAL INFORMATION:
; APPLICANT: Avner Yavon et al.
; TITLE OF INVENTION: ANIMAL MODEL FOR FIBROBLAST GROWTH
; FACTOR RECEPTOR ASSOCIATED
; CHONDRODYSPLASIA
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Mark M. Friedman c/o Anthony Castorina
; STREET: 2001 Jefferson Davis Highway, Suite 207
; CITY: Arlington
; STATE: Virginia
; COUNTRY: United States of America
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 1.44 megabyte, 3.5" microdisk
; COMPUTER: Twinhead* Slimnote-890TX
; OPERATING SYSTEM: MS DOS version 6.2,
; Windows version 3.11
; SOFTWARE: Word for Windows version 2.0 converted
; to an ASCII file
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/383,630A
; FILING DATE: 26-Aug-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: <Unknown>
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Friedmam, Mark M.
; REGISTRATION NUMBER: 33,883
; REFERENCE/DOCKET NUMBER: 1402/2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 972-3-5625553
; TELEFAX: 972-3-5625554
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 6:

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 801
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 6:
; US-09-383-630-6

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Query Match          22.0%; Score 391; DB 3; Length 801;
Best Local Similarity 32.1%; Pred. No. 2.3e-26;
Matches 102; Conservative 50; Mismatches 132; Indels 34; Gaps 9;

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QY 5 CCCSCRCRCWGPSPRPPPEAPQRMTRWSHGRWPAGPHCA-----AVPEGD 54
DB 6 CVLVCAVAVGATSEPPGPEGRVYRAAVGVGPEQGEQVAFSGDPTVELSCHPPGGA 65
QY 55 PPPLTMTKDGRTTHSGSRFRVLPOGLKVKOVEREDAGVYC--KATNGFSSLVNVTL 112
DB 66 PGPPTVMKADGTGLVAS--HRLIVGPQRLQVNASHEADGAVVSCQHRLTR--RVLCHFSV 121
QY 113 VVLDDISPKESLGPSSSGGQEDPASQOMAPRPTOPSKMRRIARPVSSVRLKCV 172
DB 122 RYTDAPSSGDDDEGDVA---EDTGAPW---TRPRMDKLLVAPANTVRFCEPA 172
QY 173 SGHPRPDITWMDQDALTR--RPEAAEPKKKWTLSIKVLRPESGKYTCRVSNRAGAIN 229
DB 173 AGNFPSPISWLKNGKEPFGHERIGIKLRHQQMSLVMSVYPSDRGNTCVVENKFGSIR 232
QY 230 ATYKVDVIQRTSRKPVLTGTHPVNTTVDPGTTSFOCKVRSVVKVIOVLKREYGAEGR 289
DB 233 QYTYTDVLEERSPHRPILOAGLIPANQTAILGSDVEFHCKVYSDAQPHIOMLKREYV----- 287
QY 290 HNSTDVGGQKRV-VLPT 306
DB 288 NSGKVPGDGTPTVTVLKT 305

```

## RESULT 6

```

; US-09-383-630-3
; Sequence 3, Application US/09383630A
; Patent No. 6265632
; GENERAL INFORMATION:
; APPLICANT: Avner Yavon et al.
; TITLE OF INVENTION: ANIMAL MODEL FOR FIBROBLAST GROWTH
; FACTOR RECEPTOR ASSOCIATED
; CHONDRODYSPLASIA
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Mark M. Friedman c/o Anthony Castorina
; STREET: 2001 Jefferson Davis Highway, Suite 207
; CITY: Arlington
; STATE: Virginia
; COUNTRY: United States of America
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 1.44 megabyte, 3.5" microdisk
; COMPUTER: Twinhead* Slimnote-890TX
; OPERATING SYSTEM: MS DOS version 6.2,
; Windows version 3.11
; SOFTWARE: Word for Windows version 2.0 converted
; to an ASCII file
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/383,630A
; FILING DATE: 26-Aug-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: <Unknown>
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Friedmam, Mark M.
; REGISTRATION NUMBER: 33,883
; REFERENCE/DOCKET NUMBER: 1402/2
; TELECOMMUNICATION INFORMATION:

```

TELEPHONE: 972-3-5625553  
TELEFAX: 972-3-5625554  
TELEX: <Unknown>  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 806  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
US-09-383-630-3

Query Match 21.2%; Score 378; DB 3; Length 806;  
Best Local Similarity 31.8%; Pred. No. 3.3e-25;  
Matches 96; Conservative 54; Mismatches 118; Indels 34; Gaps 10;

QY 16 GPHRRPPPPAPRMRTRSHGMRPAGHCAAVPEGDDP---PL-TMWTYDGRTHS 70  
DB 33 GRAAEVGPBPGEQELVFGSG-----DAVELSCPPGGGPMGPVWVDGTGLVP 83  
QY 71 GMRFRVLPQGLKVKQVEREDAGVYVC--KATNGFSGLSVNTLVLDISPGEKSLGPD 128  
DB 84 S-ERVLVGPRLVYLNASHEDSGAYSCROQLTQ--RVLCHFVRVTDAPSGDDEGED 139  
QY 129 SSSGQEDPASQOMAPRFTQPSKRRRIARPVGSSVRLKCVASGHPRPDITMMDQA 188  
DB 140 EADDTGVDTGAPW-----TRPERMDKLLAVPAANTVFRCPAAGNPFTSISMLKNGRE 194  
QY 189 LT--RPEAEPKKKKTLSLKNLRPBDGSKYTCRVSNRAGAINATYKDVIOKRTSKPV 245  
DB 195 FRGEHIGIKLHQOMSLVMSVSPDRGNVTCVVENKFGSIRQYTTLDVLERSPHRP 254  
QY 246 LHTHTVNTVDFGTTSPQKVRSDVKPVIOMLKREYGAERHNSITDVGOKXV-VL 304  
DB 255 LQGLPANOTAVLSGDEVEHCKVYSDAQPHIOMLKHEV-----NSGKVGPDGTPYTVL 309  
QY 305 PT 306  
DB 310 KT 311

RESULT 7  
US-08-471-570-14  
Sequence 14, Application US/08471570  
Patent No. 5750371  
GENERAL INFORMATION:  
APPLICANT: IGARASHI, Koichi  
APPLICANT: SENOO, Masaharu  
APPLICANT: WATANABE, Tatsuya  
TITLE OF INVENTION: PROTEIN, DNA AND USE THEREOF  
NUMBER OF SEQUENCES: 18  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: DAVID G. CONLIN; DIKE, BRONSTEIN, ROBERTS &  
STREET: 130 Water Street  
CITY: Boston  
STATE: Massachusetts  
COUNTRY: US  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/471,570  
FILING DATE: 06-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/149,664  
FILING DATE: 16-AUG-1991

ATTORNEY/AGENT INFORMATION:  
NAME: LINEK, Ernest V  
REGISTRATION NUMBER: 29822  
REFERENCE/DOCKET NUMBER: 40897  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617)523-3400  
TELEFAX: (617)523-6440  
TELEX: 200291 STRE UR  
INFORMATION FOR SEQ ID NO: 14:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 355 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-471-570-14

Query Match 21.1%; Score 375.5; DB 1; Length 355;  
Best Local Similarity 29.9%; Pred. No. 1.8e-25;  
Matches 97; Conservative 55; Mismatches 129; Indels 43; Gaps 10;

QY 23 PPEAPQRMRTSRSHGMRPAGHCAAVPEG-----DPPULTMXTDGRTHSGMSRF 75  
DB 15 PEEPPPKYQI-----SQPEVYVAPEBSLEVRCLLKDAAV1SWTKG--VHLGPNR 64  
QY 76 RVL-PQGLKVKQVEREDAGVYVCATNGFSGLSVNTLVLDISPGEKSLGPDSSGQ 134  
DB 65 TWLIGYLKIKATPDSGLYACTASRTYDSEIWTYMWVTTDAISSGD---EDTDDA 120  
QY 135 EDPASQ--QMARPRFTQPSKRRRIARPVGSSVRLKCVASGHPRPDITMMDQA 190  
DB 121 EDPVSENSNNKABPVYNTKEKRLHVAANTVFRCPAGNPFTYRMLKNGKEFRQ 180  
QY 191 --RPEAEPKKKKTLSLKNLRPBDGSKYTCRVSNRAGAINATYKDVIOKRTSKPV 248  
DB 181 ERHIGYKVRNOMWSLIMESVSPDKGNTCVVENEYGSINITYHLDVVERSPHRIQA 240  
QY 249 THPVNTVDFGTTSPQKVRSDVKPVIOMLKRE-----YGAEG-----RHNSTIDV 296  
DB 241 GLPANASTVGGDEVEHCKVYSDAQPHIOMLKHEV-----NSGKVGPDGTPYTVL 297  
QY 297 GGQKRVLPPTGDVMSRDPGSSYLNK 320  
DB 298 NSSNAEVLALFVNTTEADAGEYICK 321

RESULT 8  
US-08-471-570-6  
Sequence 6, Application US/08471570  
Patent No. 5750371  
GENERAL INFORMATION:  
APPLICANT: IGARASHI, Koichi  
APPLICANT: SENOO, Masaharu  
APPLICANT: WATANABE, Tatsuya  
TITLE OF INVENTION: PROTEIN, DNA AND USE THEREOF  
NUMBER OF SEQUENCES: 18  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: DAVID G. CONLIN; DIKE, BRONSTEIN, ROBERTS &  
STREET: 130 Water Street  
CITY: Boston  
STATE: Massachusetts  
COUNTRY: US  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/471,570  
FILING DATE: 06-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/149,664  
FILING DATE:  
APPLICATION NUMBER: US 07/743369  
FILING DATE: 16-AUG-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: LINEK, Ernest V  
REGISTRATION NUMBER: 29822  
REFERENCE/DOCKET NUMBER: 40897  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617)523-3400  
TELEFAX: (617)523-6440  
TELEX: 200291 STRE UR  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 643 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-471-570-6

Query Match 21.1%; Score 375.5; DB 1; Length 643;  
Best Local Similarity 29.9%; Pred. No. 4,1e-25;  
Matches 97; Conservative 55; Mismatches 129; Indels 43; Gaps 10;

23 PEAPQWRTRMSHGRWPAHCAAVPEG-----DPPLTMTKDGRTISGMSRF 75  
35 PEEPTKYOI-----SQPEVYVAAPGESLEVRCLKDAVISMTRKG--VHLGPNR 84  
76 RVL-FOGLKQYVEREDAGVYVCKATNGFGLSVNTLVLDISPGEISLGPDSGSGQ 134  
85 TVLIGEVYQIKATPRDGLYACTASRTVDETFWVNVTDALSSGDD---EDDTDGA 140  
135 EDPASQ---QWAPRPTOPSKRRRIARPVGSSVRLKCVASGHPRPDITMCKDOALT- 190  
141 EDFVSNNSNNKRAPYNTTEKMEKRIHAPVANTYFRCPAGGNPMTMRMLKNGKEFRQ 200  
191 --RPEAEPKRRKWTLSLKNLRPEDSGKYTCRVSNRAGAINATYKVIVIQRTSKFVLTG 248  
201 EHRIGGYKVRNQHMSLIMESVPSDKGNTCVENEGSINTYHLDVERSPPHPIIDA 260  
249 THPVNTTVDGTTTSFOCKVRSDVKVIOMLKRV-----YGAEG-----RHSTIDV 296  
261 GIPANASTVVGDFVEVCKVYSDAQPHIQWIKHVEKNGSGPDGLPYLKVKHSG---I 317  
297 GGQKFVLPPTGPDVWSRPDSYLNK 320  
318 NSSNAEVLALFNVTADAGEYICK 341

## RESULT 9

US-08-471-570-8  
Sequence 8, Application US/08471570  
Patent No. 5750371  
GENERAL INFORMATION:  
APPLICANT: IGARASHI, Koichi  
APPLICANT: SEMOO, Masaharu  
APPLICANT: MATANABE, Tatsuya  
TITLE OF INVENTION: PROTEIN, DNA AND USE THEREOF  
NUMBER OF SEQUENCES: 18  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: DAVID G. CONLIN; DIKE, BRONSTEIN, ROBERTS &  
ADDRESSEE: CUSHMAN  
STREET: 130 Water Street  
CITY: Boston  
STATE: Massachusetts  
COUNTRY: US  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/471,570  
FILING DATE: 06-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/149,664  
FILING DATE:  
APPLICATION NUMBER: US 07/743369  
FILING DATE: 16-AUG-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: LINEK, Ernest V  
REGISTRATION NUMBER: 29822  
REFERENCE/DOCKET NUMBER: 40897  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617)523-3400  
TELEFAX: (617)523-6440  
TELEX: 200291 STRE UR  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 769 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-471-570-8

Query Match 21.1%; Score 375.5; DB 1; Length 769;  
Best Local Similarity 29.9%; Pred. No. 5,2e-25;  
Matches 97; Conservative 55; Mismatches 129; Indels 43; Gaps 10;

23 PEAPQWRTRMSHGRWPAHCAAVPEG-----DPPLTMTKDGRTISGMSRF 75  
35 PEEPTKYOI-----SQPEVYVAAPGESLEVRCLKDAVISMTRKG--VHLGPNR 84  
76 RVL-FOGLKQYVEREDAGVYVCKATNGFGLSVNTLVLDISPGEISLGPDSGSGQ 134  
85 TVLIGEVYQIKATPRDGLYACTASRTVDETFWVNVTDALSSGDD---EDDTDGA 140  
135 EDPASQ---QWAPRPTOPSKRRRIARPVGSSVRLKCVASGHPRPDITMCKDOALT- 190  
141 EDFVSNNSNNKRAPYNTTEKMEKRIHAPVANTYFRCPAGGNPMTMRMLKNGKEFRQ 200  
191 --RPEAEPKRRKWTLSLKNLRPEDSGKYTCRVSNRAGAINATYKVIVIQRTSKFVLTG 248  
201 EHRIGGYKVRNQHMSLIMESVPSDKGNTCVENEGSINTYHLDVERSPPHPIIDA 260  
249 THPVNTTVDGTTTSFOCKVRSDVKVIOMLKRV-----YGAEG-----RHSTIDV 296  
261 GIPANASTVVGDFVEVCKVYSDAQPHIQWIKHVEKNGSKYGPDLPYLKVKHSG---I 317  
297 GGQKFVLPPTGPDVWSRPDSYLNK 320  
318 NSSNAEVLALFNVTADAGEYICK 341

## RESULT 10

US-07-640-029-1  
Sequence 1, Application US/07640029  
Patent No. 5229501  
GENERAL INFORMATION:  
APPLICANT: Kiefer, Michael C.  
APPLICANT: Valenzuela, Pablo D.T.  
APPLICANT: Barr, Philip J.  
TITLE OF INVENTION: Expression and Use of Human Fibroblast  
NUMBER OF SEQUENCES: 12  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Chiron Corporation  
STREET: 4560 Horton Street  
CITY: Emeryville  
STATE: California  
COUNTRY: USA  
ZIP: 94608  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk



COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/640,029  
FILING DATE: 19910111  
CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: McClung, Barbara G.  
REGISTRATION NUMBER: 33,113  
REFERENCE/DOCKET NUMBER: CH-165  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 510-601-2708  
TELEFAX: 510-655-3542  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 816 amino acids  
TYPE: AMINO ACID  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-07-640-029-1

Query Match 21.0%; Score 373; DB 1; Length 816;  
Best Local Similarity 30.1%; Pred. No. 9.4e-25;  
Matches 89; Conservative 46; Mismatches 115; Indels 46; Gaps 8;

QY 20 RPP-PEAPORRTMWSHWRWPAHCAAVPEG-----DPPPLTW 61  
DB 22 RPPPLTPEQAPW-----GAPVEVESLVHPGDLQRCRLRDVOSIN 66  
QY 62 TKDRTIHSGWSFRVLPGELKYQVREDAVGVVCKATNGFSGLSVNTLVLDISP 121  
DB 67 LRQGVQLAES-NRTIRIGEVEVQDSVPADSGLYACTSSPSGS-DTTSVANVDLPS 124  
QY 122 KEELGPDSSSGGQ-----DPAQQMARFPTQPSMRRRIARPVGSSVRLKCVASGH 175  
DB 125 SEDDDDDSSSESEKEKETDNTKPNFVAPYWTSPETMEKKLAHVAAPAKTVKFCPSGT 184  
QY 176 PRDITMMDQDLATRE-----AAEPKKKWTLSLKLRLPEDSGKTCRVSNAAGINAT 231  
DB 185 PNTLRLKNGKEP-KDHRIGYKRVATWSIIMSVSDKGNVTCIYENEGSINH 243  
QY 232 YKDVLIQRTSKSVLNTGHPVNTTVDEGTTSFQCKVRSDVKPVIOMLKVEYGA 287  
DB 244 YQDVVERSPHRIILQAGLPANTVALGVSVERWCKYSPQHIIQMLKIEWMSK 299

RESULT 11  
US-08-822A-13  
Sequence 13, Application US/08451822A  
Patent No. 5863888  
GENERAL INFORMATION:  
APPLICANT: Dionne, Craig A  
APPLICANT: Crumley, Greg  
APPLICANT: Jaye, Michael C  
APPLICANT: Schlessinger, Joseph  
TITLE OF INVENTION: Fibroblast Growth Factor Receptors  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Rhone-Poulenc Rorer Legal Department  
STREET: 500 Arcola Road  
CITY: Collegeville  
STATE: PA  
COUNTRY: USA  
ZIP: 19426  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/451,822A

FILING DATE: 26-MAY-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/323,430  
FILING DATE: 14-OCT-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/934,372  
FILING DATE: 21-AUG-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/549,587  
FILING DATE: 06-JUL-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: Savitzky, Martin  
REGISTRATION NUMBER: 29,699  
REFERENCE/DOCKET NUMBER: A0496E  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (610) 454-3816  
TELEFAX: (610) 454-3808  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 821 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-451-822A-13

Query Match 20.9%; Score 371.5; DB 2; Length 821;  
Best Local Similarity 31.6%; Pred. No. 1.3e-24;  
Matches 90; Conservative 50; Mismatches 112; Indels 33; Gaps 8;

QY 23 PREAPORRTMWSHWRWPAHCAAVPEG-----DPPPLTWTKDRTIHSGWSR 75  
DB 35 PEEPPYKIQI-----SQPEYVAAPGESLEFRLDLDAATSWTKG--VHLGPNR 84  
QY 76 RVL-PQGLKYQVEREDAGVVCATNGFSGLSVNTLVLDISPGEKSLGPDSSSGQ 134  
DB 85 TVLIGELYIQKATPRDPSGLYACTASRTYDSEITWYMWNTVDAISSGD---EDITDGA 140  
QY 135 EDPASQ---QMARFPTQPSMRRRIARPVGSSVRLKCVASGHPDPDITMMDQALT- 190  
DB 141 EDFVSHSNKRAFPYWTTEKKEKRLHVAANTVAFRCPAGNPMPTMRLKNGKEFKQ 200  
QY 191 --RPEAEPKKKWTLSLKLRLPEDSGKTCRVSNAAGINATYKDVLIQRTSKSVLTG 248  
DB 201 EHRIGYKRVNQSWSIIMSVSDKGNVTCIYENEGSINHYYHLDVVERSPHRILOA 260  
QY 249 THPVNTTVDEGTTSFQCKVRSDVKPVIOMLKVE-----YGAEG 288  
DB 261 GUPANASTVGGDVEFCVYSDAQPHIOMIKHVEKNGSKYGPDG 305

RESULT 12  
US-08-323-430-13  
Sequence 13, Application US/08323430  
Patent No. 6344546  
GENERAL INFORMATION:  
APPLICANT: Dionne, Craig A  
APPLICANT: Crumley, Greg  
APPLICANT: Jaye, Michael C  
APPLICANT: Schlessinger, Joseph  
TITLE OF INVENTION: Fibroblast Growth Factor Receptors  
NUMBER OF SEQUENCES: 15  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Rhone-Poulenc Rorer Legal Department  
STREET: 500 Arcola Road  
CITY: Collegeville  
STATE: PA  
COUNTRY: USA  
ZIP: 19426  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/323,430  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US to be assigned  
FILING DATE: 21-AUG-1992  
APPLICATION NUMBER: US 07/549,587  
FILING DATE: 06-JUL-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: Goodman, Rosanne  
REGISTRATION NUMBER: 32,534  
REFERENCE/DOCKET NUMBER: A0496  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (215) 454-3817  
TELEFAX: (215) 454-3808  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 821 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-323-430-13

Query Match 20.9%; Score 371.5; DB 4; Length 821;  
Best Local Similarity 31.6%; Pred. No. 1,3e-24;  
Matches 90; Conservative 50; Mismatches 112; Indels 33; Gaps 8;

QY 23 PEPAPQRMTRMWSHGMPAGPHCAAVPYEG-----DPPPLTMTXKGRTHSGMSNF 75  
DB 35 PEEPPKTYOI-----SQPEVYVAAPGESLEVRCLLDAAVISTKDG--VHLGPNR 84  
QY 76 RVL-POGLKQVEREDAGVYVCKATNGFGLSVNTLVLDISPGEKSLGPDSSSGQ 134  
DB 85 TVLIGVLIQKATPRDSGLYACTARTYDSEIYMWAVTDAISSGD-----EDDTDA 140  
QY 135 EDPASG--QMAPRFTOPSKRRRVIAPRVSSVRLKCVASGHPPTITMKDQALT- 190  
DB 141 EDFVSENSNNKRAPYWTNTEKMEKRLHAAVPAANTVKEFCPAGGNPMTWRMLKNGKEFKQ 200  
QY 191 --RPEAEPKRRKKWTLSLKNLRPEDSGKTCRVSNAGAINATYKDVIOGRSKPVLG 248  
DB 201 EHRIGYKVRNQMSLIMESVPSDKGNTTGVENYGSINHTYHLDVVERSEHRIQA 260  
QY 249 THPVNTTVDEGTTSFQCKVRSDVKPVIOMLKRYE-----YGAEG 288  
DB 261 GIPANASTVVGGVVEVCKVYSDAQPHIQMKHVEKNGSKYGPDG 305

RESULT 13  
US-07-921-807B-3  
Sequence 3, Application US/07921807B  
Patent No. 5474914  
GENERAL INFORMATION:  
APPLICANT: SPATE, RICHARD  
TITLE OF INVENTION: METHOD OF INCREASING EXPRESSION  
NUMBER OF SEQUENCES: 20  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: CHIRON CORPORATION  
STREET: 4560 Horton Street - R440  
CITY: Emeryville  
STATE: CA  
COUNTRY: USA  
ZIP: 94608-2916  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: IBM PC compatible  
SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/921,807B  
FILING DATE: 29-SEP-1992  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: MCCLUNG, BARBARA G.  
REGISTRATION NUMBER: 33,113  
REFERENCE/DOCKET NUMBER: 0209,001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (510) 601-2708  
TELEFAX: (510) 655-3542  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 820 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-07-921-807B-3

Query Match 20.5%; Score 364.5; DB 1; Length 820;  
Best Local Similarity 30.4%; Pred. No. 5.4e-24;  
Matches 88; Conservative 43; Mismatches 115; Indels 43; Gaps 8;

QY 20 RPP--PAPQRMTRMWSHGMPAGPHCAAVPYEG-----DPPPLTMTW 61  
DB 22 RPSFTLPFOAOPW-----GAPVEVSFLVHPDGLDLQACRLRDLVDQISNW 66  
QY 62 TKDGTTHSGMRFPVLPQGLKQVEREDAGVYVCKATNGFGLSVNTLVLDISP 121  
DB 67 LRDQVLAE-NRRTITGEVEVQDSVPADSGLYACTVSSPESG-DITYFSVNSDALPS 124  
QY 122 KESLPDSSSGQE---DPAQOMARPRFTQPSKRRRVIAPRVSSVRLKCVASGHP 178  
DB 125 SEDDDDDSSSEKETONTKPNVAPYWTSPKMEKRLHAAVPAANTVKEFCPSSGTP 184  
QY 179 DITWKKDQALTRP-----AAEPKRRKKWTLSLKNLRPEDSGKTCRVSNAGAINATYK 234  
DB 185 TLRLKNGKEF-KPRLRIGYKVRATWSIIMDSVPSDKGNTTGVENYGSINHTYQL 243  
QY 235 DVIQTRSKPVLGTHTPVNTTVDFGGTTSFQCKVRSDVKPVIOMLKRYE 283  
DB 244 DVERSPHRIQALPANKTVALGSNVEFMCKVYSDPQPHIQMKHIE 292

RESULT 14  
US-08-441-944A-3  
Sequence 3, Application US/08441944A  
Patent No. 5767250  
GENERAL INFORMATION:  
APPLICANT: SPATE, RICHARD  
TITLE OF INVENTION: METHOD OF INCREASING EXPRESSION  
NUMBER OF SEQUENCES: 20  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: CHIRON CORPORATION  
STREET: 4560 Horton Street - R440  
CITY: Emeryville  
STATE: CA  
COUNTRY: USA  
ZIP: 94608-2916  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: IBM PC compatible  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/441,944A  
FILING DATE: 16-MAY-1995  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/921,807  
FILING DATE: 29-SEP-1992

ATTORNEY/AGENT INFORMATION:  
NAME: MCCLUNG, BARBARA G.  
REGISTRATION NUMBER: 33,113  
REFERENCE/DOCKET NUMBER: 0209.001  
TELEPHONE: (510) 601-2708  
TELEFAX: (510) 655-3542  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 820 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-441-944A-3

Query Match 20.5%; Score 364.5; DB 1; Length 820;  
Best Local Similarity 30.4%; Pred. No. 5.4e-24;  
Matches 88; Conservative 43; Mismatches 115; Indels 43; Gaps 8;

QY 20 RPP--PEAPQRTMWSHGRWPAGPHCAAVPES-----DPPLTW 61  
DB 22 RSPPTLPEQAQPW-----GAPVESEFLVHPGDLQLRCRLRDVQISINW 66  
QY 62 TKDGRTHSGWSPFVLPQGLKVKOVEREDAGVYVCKATNGFSLSVNYTLVLDISP 121  
DB 67 LRQGVQLAES-NKRTITGEVEVQDSVPADSGLYACTISSPSGS-DTTFSVNVDALPS 124  
QY 122 KESLGPSSSSGQGE--DPASQOMARPRFTQPSKMRRIYARPVGSSVRLKCVASGHRP 178  
DB 125 SEDDDDDSSSEKETDNTKPNPVAFYWTSPKMEKHLAHPAKTVKFCPSSTPNP 184  
QY 179 DITMKDDQALTRPE---AAEPRKKKWTLSLKNLRPDSGKTYTCVSNRAGAINATYV 234  
DB 185 TLRMLNKGKEF-KPDHRIGYKRYATWISIMDSVPSDKGNYTCIVENEYGSINHTYOL 243  
QY 235 DVIGRTSRKPVLTGTHPVNTTVDFGCTTSFOCKKVSQVPEVIOMLKRV 283  
DB 244 DVERSPHRPILOAGLPANKTVALGSNVEFMCKVYSDPQHIOMLKRIE 292

RESULT 15  
US-08-439-992A-1  
Sequence 1, Application US/08439992A  
Patent No. 6255454  
GENERAL INFORMATION:  
APPLICANT: Kiefer, Michael C.  
APPLICANT: Pablo, Valenzuela D.T.  
APPLICANT: Philip, Barr J.  
TITLE OF INVENTION: Expression and Use of Human Fibroblast  
NUMBER OF SEQUENCES: 12  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Chiron Corporation  
STREET: 4560 Horton Street  
CITY: Emeryville  
STATE: CA  
COUNTRY: USA  
ZIP: 94608  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/439,992A  
FILING DATE: 12-May-1995  
CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: Chung, Ling-Fong  
REGISTRATION NUMBER: 36,482  
REFERENCE/DOCKET NUMBER: 0165.004  
TELECOMMUNICATION INFORMATION:

TELEPHONE: 510-923-2704  
TELEFAX: (510) 655-3542  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 820 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-439-992A-1

Query Match 20.5%; Score 364.5; DB 3; Length 820;  
Best Local Similarity 30.4%; Pred. No. 5.4e-24;  
Matches 88; Conservative 43; Mismatches 115; Indels 43; Gaps 8;

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DB 22 RSPPTLPEQAQPW-----GAPVESEFLVHPGDLQLRCRLRDVQISINW 66  
QY 62 TKDGRTHSGWSPFVLPQGLKVKOVEREDAGVYVCKATNGFSLSVNYTLVLDISP 121  
DB 67 LRQGVQLAES-NKRTITGEVEVQDSVPADSGLYACTISSPSGS-DTTFSVNVDALPS 124  
QY 122 KESLGPSSSSGQGE--DPASQOMARPRFTQPSKMRRIYARPVGSSVRLKCVASGHRP 178  
DB 125 SEDDDDDSSSEKETDNTKPNPVAFYWTSPKMEKHLAHPAKTVKFCPSSTPNP 184  
QY 179 DITMKDDQALTRPE---AAEPRKKKWTLSLKNLRPDSGKTYTCVSNRAGAINATYV 234  
DB 185 TLRMLNKGKEF-KPDHRIGYKRYATWISIMDSVPSDKGNYTCIVENEYGSINHTYOL 243  
QY 235 DVIGRTSRKPVLTGTHPVNTTVDFGCTTSFOCKKVSQVPEVIOMLKRV 283  
DB 244 DVERSPHRPILOAGLPANKTVALGSNVEFMCKVYSDPQHIOMLKRIE 292

Search completed: February 4, 2004, 14:18:27  
Job time : 22 secs



GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Comugen Ltd.

OM protein - protein search, using sw model

Run on: February 4, 2004, 14:17:05 ; Search time 36 Seconds  
(without alignments)  
1872.808 Million cell updates/sec

Title: US-09-823-038A-33

Perfect score: 1779  
Sequence: 1 RRAAPCCSCCRRCCWGPSPHR.....VLPTGWPWRPDGSLYINKPL 322

Scoring table: BLOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 801455 seqs, 209382283 residues

Total number of hits satisfying chosen parameters: 801455

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database:

Published Applications AA:  
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18: /cgn2\_6/ptodata/1/pubppa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

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1	1779	100.0	322	US-09-823-038A-33	Sequence 33, Appl
2	1779	100.0	322	US-10-157-444B-8	Sequence 6, Appl
3	1448	81.4	448	US-09-815-108-6	Sequence 8, Appl
4	1448	81.4	448	US-10-229-584-6	Sequence 6, Appl
5	1448	81.4	472	US-09-815-108-5	Sequence 5, Appl
6	1448	81.4	472	US-10-229-584-5	Sequence 5, Appl
7	1448	81.4	504	US-09-758-386-2	Sequence 8, Appl
8	1448	81.4	504	US-09-815-108-8	Sequence 8, Appl
9	1448	81.4	504	US-09-815-108-15	Sequence 15, Appl
10	1448	81.4	504	US-09-815-108-17	Sequence 17, Appl
11	1448	81.4	504	US-09-815-108-19	Sequence 19, Appl
12	1448	81.4	504	US-09-989-722-119	Sequence 119, App
13	1448	81.4	504	US-09-989-723-119	Sequence 119, App
14	1448	81.4	504	US-09-989-729-119	Sequence 119, App
15	1448	81.4	504	US-09-989-727-119	Sequence 119, App

16	1448	81.4	504	10	US-09-989-731-119	Sequence 119, App
17	1448	81.4	504	10	US-09-989-732-119	Sequence 119, App
18	1448	81.4	504	10	US-09-991-073-119	Sequence 119, App
19	1448	81.4	504	10	US-09-990-442-119	Sequence 119, App
20	1448	81.4	504	10	US-09-991-163-119	Sequence 119, App
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23	1448	81.4	504	10	US-09-989-721-119	Sequence 119, App
24	1448	81.4	504	10	US-09-992-598-119	Sequence 119, App
25	1448	81.4	504	10	US-09-989-293A-119	Sequence 119, App
26	1448	81.4	504	10	US-09-989-735-119	Sequence 119, App
27	1448	81.4	504	10	US-09-990-444-119	Sequence 119, App
28	1448	81.4	504	10	US-09-991-181-119	Sequence 119, App
29	1448	81.4	504	10	US-09-989-730-119	Sequence 119, App
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31	1448	81.4	504	10	US-09-993-687-119	Sequence 119, App
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33	1448	81.4	504	11	US-09-997-653-119	Sequence 119, App
34	1448	81.4	504	11	US-09-993-667-119	Sequence 119, App
35	1448	81.4	504	11	US-09-997-428-119	Sequence 119, App
36	1448	81.4	504	11	US-09-997-666-119	Sequence 119, App
37	1448	81.4	504	11	US-09-990-438-119	Sequence 119, App
38	1448	81.4	504	11	US-09-990-562-119	Sequence 119, App
39	1448	81.4	504	11	US-09-796-753-94	Sequence 94, Appl
40	1448	81.4	504	11	US-09-796-753-108	Sequence 108, Appl
41	1448	81.4	504	11	US-09-990-711-119	Sequence 119, App
42	1448	81.4	504	11	US-09-989-726-119	Sequence 119, App
43	1448	81.4	504	11	US-09-998-156-119	Sequence 119, App
44	1448	81.4	504	11	US-09-990-437-119	Sequence 119, App
45	1448	81.4	504	11	US-09-991-157-119	Sequence 119, App

## ALIGNMENTS

RESULT 1	
US-09-823-038A-33	
; Sequence 33, Application US/09823038A	
; Patent No. US20020058335A1	
; GENERAL INFORMATION:	
; APPLICANT: Strachan, Lorna	
; APPLICANT: Sleeman, Matthew	
; APPLICANT: Abernethy, Nevlin	
; APPLICANT: Kumbie, Rene	
; APPLICANT: Murison, Greg	
; TITLE OF INVENTION: Compositions Isolated From Stromal Cells	
; TITLE OF INVENTION: and Methods For Their Use	
; FILE REFERENCE: 11000.1037c3	
; CURRENT APPLICATION NUMBER: US/09/823,038A	
; CURRENT FILING DATE: 2001-07-09	
; NUMBER OF SEQ ID NOS: 61	
; SOFTWARE: FastSeq For Windows Version 4.0	
; SEQ ID NO 33:	
; LENGTH: 322	
; TYPE: PRT	
; ORGANISM: Human	
US-09-823-038A-33	
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Best Local Similarity 100.0%; Pred No. 1, 1e-126;	
Matches 322; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	
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QY	121 GKESLPDSSSGGQEDPASPQWAPRPFOTPSKMRRIIVAPVSSVRLKCVASGHRPPI 180

Db 121 GKESLGPDSGGQEDPASAQOMARPRFTOPSKMRRRIARVPGSVYRLKCVASGHPRDI 180  
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Db 181 TMMKDDOALTRPEAEPKWKWTLSLKNLRPDSGKYTCRVSRAGAINATYKVDIORT 240  
Qy 241 RSKPVLGTGHPVNTVDFGGTTSFOCKVRSVDKPVIOMLKRVYGAEGHNSITIDVGQK 300  
Db 241 RSKPVLGTGHPVNTVDFGGTTSFOCKVRSVDKPVIOMLKRVYGAEGHNSITIDVGQK 300  
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Db 301 FVVLPTGDVWSRPDGSYLKPL 322

RESULT 2  
US-10-157-444B-8  
; Sequence 8, Application US/10157444B  
; Publication No. US20030143676A1  
; GENERAL INFORMATION:  
; APPLICANT: Strachan, Lorna  
; APPLICANT: Sleeman, Matthew  
; APPLICANT: Abernathy, Nevlin  
; APPLICANT: Onrust, Rene  
; APPLICANT: Kumbie, Anand  
; APPLICANT: Muriason, Greg  
; TITLE OF INVENTION: Fibroblast Growth Factor Receptors  
; TITLE OF INVENTION: and Methods For Their Use  
; FILE REFERENCE: 11000.1037G4  
; CURRENT APPLICATION NUMBER: US/10/157,444B  
; PRIOR FILING DATE: 2002-10-22  
; PRIOR APPLICATION NUMBER: U.S. 09/823,038  
; PRIOR FILING DATE: 2001-03-28  
; PRIOR APPLICATION NUMBER: U.S. 09/383,586  
; PRIOR FILING DATE: 1999-08-26  
; PRIOR APPLICATION NUMBER: U.S. 09/276,268  
; PRIOR FILING DATE: 1999-03-25  
; PRIOR APPLICATION NUMBER: PCT/NZ00/00014  
; PRIOR FILING DATE: 2000-02-18  
; PRIOR APPLICATION NUMBER: U.S. 60/221,216  
; PRIOR FILING DATE: 2000-07-25  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 8  
; LENGTH: 322  
; TYPE: PRT  
; ORGANISM: Human  
US-10-157-444B-8

Query Match 100.0%; Score 1779; DB 12; Length 322;  
Best Local Similarity 100.0%; Pred. No. 1,1e-126;  
Matches 322; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 61 WTKDGTTHSGMSRFRVLPOGLKVKOVEREDAGVYCKATNGFGLSLVNTTLVLDLISP 120  
Db 61 WTKDGTTHSGMSRFRVLPOGLKVKOVEREDAGVYCKATNGFGLSLVNTTLVLDLISP 120  
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Db 121 GKESLGPDSGGQEDPASAQOMARPRFTOPSKMRRRIARVPGSVYRLKCVASGHPRDI 180  
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Db 181 TMMKDDOALTRPEAEPKWKWTLSLKNLRPDSGKYTCRVSRAGAINATYKVDIORT 240  
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Db 301 FVVLPTGDVWSRPDGSYLKPL 322

RESULT 3  
US-09-815-108-6  
; Sequence 6, Application US/09815108  
; Patent No. US20020009776A1  
; GENERAL INFORMATION:  
; APPLICANT: Sarris, Christiaan M.  
; APPLICANT: Sharon, Mu X.  
; APPLICANT: Xia, Min  
; APPLICANT: Boone, Thomas Charles  
; APPLICANT: Covey, Todd  
; TITLE OF INVENTION: Fibroblast Growth Factor Receptor-like Molecules and  
; TITLE OF INVENTION: Uses Thereof  
; FILE REFERENCE: 99-513-A  
; CURRENT APPLICATION NUMBER: US/09/815,108  
; PRIOR FILING DATE: 2001-03-22  
; PRIOR APPLICATION NUMBER: 60/191,379  
; PRIOR FILING DATE: 2000-03-22  
; NUMBER OF SEQ ID NOS: 22  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 6  
; LENGTH: 448  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: TRANSMEM  
; LOCATION: (355)..(375)  
US-09-815-108-6

Query Match 81.4%; Score 1448; DB 9; Length 448;  
Best Local Similarity 99.6%; Pred. No. 1.7e-101;  
Matches 272; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy 110 YTLVLDLISPQKESLGPDSGGQEDPASAQOMARPRFTOPSKMRRRIARVPGSVYRLK 169  
Db 88 YTLVLDLISPQKESLGPDSGGQEDPASAQOMARPRFTOPSKMRRRIARVPGSVYRLK 147  
Qy 170 CVASGHPRPDITMMKDDOALTRPEAEPKWKWTLSLKNLRPDSGKYTCRVSRAGAIN 229  
Db 148 CVASGHPRPDITMMKDDOALTRPEAEPKWKWTLSLKNLRPDSGKYTCRVSRAGAIN 207  
Qy 230 ATYKVDIORTRSKPVLTGTHPVNTVDFGGTTSFOCKVRSVDKPVIOMLKRVYGAEGR 289  
Db 208 ATYKVDIORTRSKPVLTGTHPVNTVDFGGTTSFOCKVRSVDKPVIOMLKRVYGAEGR 267  
Qy 290 HNSTIDVGQKRVVLTGTDVWSRPDGSYLKPL 322  
Db 268 HNSTIDVGQKRVVLTGTDVWSRPDGSYLKPL 300

RESULT 4  
US-10-229-584-6  
; Sequence 6, Application US/10229584  
; Publication No. US20030087384A1  
; GENERAL INFORMATION:  
; APPLICANT: Sarris, Christiaan M.  
; APPLICANT: Sharon, Mu X.  
; APPLICANT: Xia, Min  
; APPLICANT: Boone, Thomas Charles  
; APPLICANT: Covey, Todd  
; TITLE OF INVENTION: Fibroblast Growth Factor Receptor-like Molecules and  
; TITLE OF INVENTION: Uses Thereof  
; FILE REFERENCE: 99-513-P  
; CURRENT APPLICATION NUMBER: US/10/229,584  
; PRIOR FILING DATE: 2002-08-28  
; PRIOR APPLICATION NUMBER: 09/815,108  
; PRIOR FILING DATE: 2001-03-22

PRIOR APPLICATION NUMBER: 60/191,379  
PRIOR FILING DATE: 2000-03-22  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 6  
LENGTH: 448  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: TRANSMEM  
LOCATION: (355)..(375)  
US-10-229-584-6

Query Match 81.4%; Score 1448; DB 15; Length 448;  
Best Local Similarity 99.6%; Pred. No. 1.7e-101;  
Matches 272; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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DB 268 HNSTIDVGQKRVLPFGDWSRPDGSYLNKPL 300

RESULT 5  
US-09-815-108-5  
Sequence 5, Application US/09815108  
Patent No. US200200976A1  
GENERAL INFORMATION:  
APPLICANT: Saris, Christiaan M.  
APPLICANT: Sharon, Mu X.  
APPLICANT: Xia, Min  
APPLICANT: Boone, Thomas Charles  
APPLICANT: Covey, Todd  
TITLE OF INVENTION: Fibroblast Growth Factor Receptor-Like Molecules and  
FILE REFERENCE: 99-513-A  
CURRENT APPLICATION NUMBER: US/09/815,108  
CURRENT FILING DATE: 2001-03-22  
PRIOR APPLICATION NUMBER: 60/191,379  
PRIOR FILING DATE: 2000-03-22  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 5  
LENGTH: 472  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-815-108-5

Query Match 81.4%; Score 1448; DB 9; Length 472;  
Best Local Similarity 99.6%; Pred. No. 1.8e-101;  
Matches 272; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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DB 52 PVEGDPPLTMTWKDGRTHSGMSRFRVLPQGLKVKOVEREDAGVYVCKATNGFGLSVN 111  
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DB 112 YTLVVLDDISPKESLGPSSSGGQEDPASQOWARPRFTQPSKMRRVIAARPVGSSVRLK 171  
QY 170 CVASGHPRPDITMWDQALTRPEAEPKPKKWTLSLKNLRPDSGKTCRVSNRAGAIN 229  
DB 172 CVASGHPRPDITMWDQALTRPEAEPKPKKWTLSLKNLRPDSGKTCRVSNRAGAIN 231  
QY 230 ATYKVDVIQRTSRKPVLTGTHPVNTTVDGTTSPQCKVRSVVKVIOMLKREYGAEGR 289  
DB 232 ATYKVDVIQRTSRKPVLTGTHPVNTTVDGTTSPQCKVRSVVKVIOMLKREYGAEGR 291  
QY 290 HNSTIDVGQKRVLPFGDWSRPDGSYLNKPL 322  
DB 292 HNSTIDVGQKRVLPFGDWSRPDGSYLNKPL 324

RESULT 6  
US-10-229-584-5  
Sequence 5, Application US/10229584  
Publication No. US20030087384A1  
GENERAL INFORMATION:  
APPLICANT: Saris, Christiaan M.  
APPLICANT: Sharon, Mu X.  
APPLICANT: Xia, Min  
TITLE OF INVENTION: Fibroblast Growth Factor Receptor-Like Molecules and  
FILE REFERENCE: 99-513-F  
CURRENT APPLICATION NUMBER: US/10/229,584  
CURRENT FILING DATE: 2002-08-28  
PRIOR APPLICATION NUMBER: 09/815,108  
PRIOR FILING DATE: 2001-03-22  
PRIOR APPLICATION NUMBER: 60/191,379  
PRIOR FILING DATE: 2000-03-22  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 5  
LENGTH: 472  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-229-584-5

Query Match 81.4%; Score 1448; DB 15; Length 472;  
Best Local Similarity 99.6%; Pred. No. 1.8e-101;  
Matches 272; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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DB 172 CVASGHPRPDITMWDQALTRPEAEPKPKKWTLSLKNLRPDSGKTCRVSNRAGAIN 231  
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QY 290 HNSTIDVGQKRVLPFGDWSRPDGSYLNKPL 322  
DB 292 HNSTIDVGQKRVLPFGDWSRPDGSYLNKPL 324

RESULT 7  
US-09-758-386-2  
Sequence 2, Application US/09758386  
Patent No. US20010016335A1  
GENERAL INFORMATION:  
APPLICANT: Human Genome Sciences, Inc. et al.  
TITLE OF INVENTION: Fibroblast Growth Factor Receptor-5  
FILE REFERENCE: PF486PCT

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; CURRENT APPLICATION NUMBER: US/09/758,386
; CURRENT FILING DATE: 2001-01-12
; PRIOR APPLICATION NUMBER: 09/293,182
; PRIOR FILING DATE: 1999-04-16
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 504
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-758-386-2

Query Match
Best Local Similarity 81.4%; Score 1448; DB 9; Length 504;
Matches 272; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 50 PVEGDPPLTMTWKDGRITIHSGMSRFRVLPQGLKVKOVEREDAGYVVCATNGFGLSVN 109
DB 52 PVEGDPPLTMTWKDGRITIHSGMSRFRVLPQGLKVKOVEREDAGYVVCATNGFGLSVN 111
QY 110 YTLVVLDDISPGKESLGPDSGGGQEDPASQOMARPRFTOPSKMRRVIARPVGSSVRLK 169
DB 112 YTLVVLDDISPGKESLGPDSGGGQEDPASQOMARPRFTOPSKMRRVIARPVGSSVRLK 171
QY 170 CVASGHPRPDITWMDQDALTRPEAEPRKKKWTLSLKNLRPDSGKTCRVSNRAGAIN 229
DB 172 CVASGHPRPDITWMDQDALTRPEAEPRKKKWTLSLKNLRPDSGKTCRVSNRAGAIN 231
QY 230 ATYKVDVIORTRSKPVLTGTHPVNTTVPDGGTTSFOCKVRSVVKVIOMLKREYGAEGR 289
DB 232 ATYKVDVIORTRSKPVLTGTHPVNTTVPDGGTTSFOCKVRSVVKVIOMLKREYGAEGR 291
QY 290 HNSTDIVGQKFFVLPDGVMSRPDGSYLANKPL 322
DB 292 HNSTDIVGQKFFVLPDGVMSRPDGSYLANKPL 324

RESULT 8
US-09-815-108-8
; Sequence 8, Application US/09815108
; Patent No. US20020009776A1
; GENERAL INFORMATION:
; APPLICANT: Sarris, Christiaan M.
; APPLICANT: Sharon, Mu X.
; APPLICANT: Xia, Min
; APPLICANT: Boone, Thomas Charles
; APPLICANT: Covey, Todd
; TITLE OF INVENTION: Fibroblast Growth Factor Receptor-Like Molecules and
; FILE REFERENCE: 99-513-A
; CURRENT APPLICATION NUMBER: US/09/815,108
; CURRENT FILING DATE: 2001-03-22
; PRIOR APPLICATION NUMBER: 60/191,379
; PRIOR FILING DATE: 2000-03-22
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 504
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: virtual human
; OTHER INFORMATION: FGFR-L amino acid sequence comprising residues
; OTHER INFORMATION: 1-472 of SEQ ID NO: 5 and residues 473-504 of
; OTHER INFORMATION: Genbank accession no. AJ277437
US-09-815-108-8

Query Match
Best Local Similarity 81.4%; Score 1448; DB 9; Length 504;
Matches 272; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 50 PVEGDPPLTMTWKDGRITIHSGMSRFRVLPQGLKVKOVEREDAGYVVCATNGFGLSVN 109
DB 52 PVEGDPPLTMTWKDGRITIHSGMSRFRVLPQGLKVKOVEREDAGYVVCATNGFGLSVN 111
QY 110 YTLVVLDDISPGKESLGPDSGGGQEDPASQOMARPRFTOPSKMRRVIARPVGSSVRLK 169
DB 112 YTLVVLDDISPGKESLGPDSGGGQEDPASQOMARPRFTOPSKMRRVIARPVGSSVRLK 171
QY 170 CVASGHPRPDITWMDQDALTRPEAEPRKKKWTLSLKNLRPDSGKTCRVSNRAGAIN 229
DB 172 CVASGHPRPDITWMDQDALTRPEAEPRKKKWTLSLKNLRPDSGKTCRVSNRAGAIN 231
QY 230 ATYKVDVIORTRSKPVLTGTHPVNTTVPDGGTTSFOCKVRSVVKVIOMLKREYGAEGR 289
DB 232 ATYKVDVIORTRSKPVLTGTHPVNTTVPDGGTTSFOCKVRSVVKVIOMLKREYGAEGR 291
QY 290 HNSTDIVGQKFFVLPDGVMSRPDGSYLANKPL 322
DB 292 HNSTDIVGQKFFVLPDGVMSRPDGSYLANKPL 324
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DB 52 PVEGDPPLTMTWKDGRITIHSGMSRFRVLPQGLKVKOVEREDAGYVVCATNGFGLSVN 111
QY 110 YTLVVLDDISPGKESLGPDSGGGQEDPASQOMARPRFTOPSKMRRVIARPVGSSVRLK 169
DB 112 YTLVVLDDISPGKESLGPDSGGGQEDPASQOMARPRFTOPSKMRRVIARPVGSSVRLK 171
QY 170 CVASGHPRPDITWMDQDALTRPEAEPRKKKWTLSLKNLRPDSGKTCRVSNRAGAIN 229
DB 172 CVASGHPRPDITWMDQDALTRPEAEPRKKKWTLSLKNLRPDSGKTCRVSNRAGAIN 231
QY 230 ATYKVDVIORTRSKPVLTGTHPVNTTVPDGGTTSFOCKVRSVVKVIOMLKREYGAEGR 289
DB 232 ATYKVDVIORTRSKPVLTGTHPVNTTVPDGGTTSFOCKVRSVVKVIOMLKREYGAEGR 291
QY 290 HNSTDIVGQKFFVLPDGVMSRPDGSYLANKPL 322
DB 292 HNSTDIVGQKFFVLPDGVMSRPDGSYLANKPL 324

RESULT 9
US-09-815-108-15
; Sequence 15, Application US/09815108
; Patent No. US20020009776A1
; GENERAL INFORMATION:
; APPLICANT: Sarris, Christiaan M.
; APPLICANT: Sharon, Mu X.
; APPLICANT: Xia, Min
; APPLICANT: Boone, Thomas Charles
; APPLICANT: Covey, Todd
; TITLE OF INVENTION: Fibroblast Growth Factor Receptor-Like Molecules and
; FILE REFERENCE: 99-513-A
; CURRENT APPLICATION NUMBER: US/09/815,108
; CURRENT FILING DATE: 2001-03-22
; PRIOR APPLICATION NUMBER: 60/191,379
; PRIOR FILING DATE: 2000-03-22
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 15
; LENGTH: 504
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-815-108-15

Query Match
Best Local Similarity 81.4%; Score 1448; DB 9; Length 504;
Matches 272; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 50 PVEGDPPLTMTWKDGRITIHSGMSRFRVLPQGLKVKOVEREDAGYVVCATNGFGLSVN 109
DB 52 PVEGDPPLTMTWKDGRITIHSGMSRFRVLPQGLKVKOVEREDAGYVVCATNGFGLSVN 111
QY 110 YTLVVLDDISPGKESLGPDSGGGQEDPASQOMARPRFTOPSKMRRVIARPVGSSVRLK 169
DB 112 YTLVVLDDISPGKESLGPDSGGGQEDPASQOMARPRFTOPSKMRRVIARPVGSSVRLK 171
QY 170 CVASGHPRPDITWMDQDALTRPEAEPRKKKWTLSLKNLRPDSGKTCRVSNRAGAIN 229
DB 172 CVASGHPRPDITWMDQDALTRPEAEPRKKKWTLSLKNLRPDSGKTCRVSNRAGAIN 231
QY 230 ATYKVDVIORTRSKPVLTGTHPVNTTVPDGGTTSFOCKVRSVVKVIOMLKREYGAEGR 289
DB 232 ATYKVDVIORTRSKPVLTGTHPVNTTVPDGGTTSFOCKVRSVVKVIOMLKREYGAEGR 291
QY 290 HNSTDIVGQKFFVLPDGVMSRPDGSYLANKPL 322
DB 292 HNSTDIVGQKFFVLPDGVMSRPDGSYLANKPL 324

RESULT 10
US-09-815-108-17
; Sequence 17, Application US/09815108
; Patent No. US20020009776A1
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; GENERAL INFORMATION:
; APPLICANT: Saris, Christiaan M.
; APPLICANT: Sharon, Mu X.
; APPLICANT: Xia, Min
; APPLICANT: Boone, Thomas Charles
; APPLICANT: Covey, Todd
; TITLE OF INVENTION: Fibroblast Growth Factor Receptor-Like Molecules and
; FILE REFERENCE: 99-513-A
; CURRENT APPLICATION NUMBER: US/09/815,108
; CURRENT FILING DATE: 2001-03-22
; PRIOR APPLICATION NUMBER: 60/191,379
; PRIOR FILING DATE: 2000-03-22
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 504
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-815-108-17

Query Match      81.4%; Score 1448; DB 9; Length 504;
Best Local Similarity 99.6%; Pred. No. 2e-101;
Matches 272; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 50 PVEGDPEPLTMWTKDGRTHSGWRFVLPQGLKVKOVEREDAGVYVCKATNGFSGLSVN 109
    |||||
DB 52 PVEGDPEPLTMWTKDGRTHSGWRFVLPQGLKVKOVEREDAGVYVCKATNGFSGLSVN 111
    |||||

QY 110 YTLVLDLISPGEKSLGPDSSSGQEDPASQOMARPRFTOPSKMRRRVIAAPVGVSSVRLK 169
    |||||
DB 112 YTLVLDLISPGEKSLGPDSSSGQEDPASQOMARPRFTOPSKMRRRVIAAPVGVSSVRLK 171
    |||||

QY 170 CVASGHRPDIITWKKDQALTRPEAAEPRKKWTLSLKNRPDSGKYTCRVSNRAGAIN 229
    |||||
DB 172 CVASGHRPDIITWKKDQALTRPEAAEPRKKWTLSLKNRPDSGKYTCRVSNRAGAIN 231
    |||||

QY 230 ATYKVDVIQRTSRKPVLTGHPVNTTVDGFGTTSFOCKRSDVKPYIOMLKRYEYGAEGR 289
    |||||
DB 232 ATYKVDVIQRTSRKPVLTGHPVNTTVDGFGTTSFOCKRSDVKPYIOMLKRYEYGAEGR 291
    |||||

QY 290 HNSTIDVGQKFFVLPFGDVWSRPDGSYLNKPL 322
    |||||
DB 292 HNSTIDVGQKFFVLPFGDVWSRPDGSYLNKPL 324
    |||||

RESULT 11
US-09-815-108-19
; Sequence 19, Application US/09815108
; Patent No. US20020009776A1
; GENERAL INFORMATION:
; APPLICANT: Saris, Christiaan M.
; APPLICANT: Sharon, Mu X.
; APPLICANT: Xia, Min
; APPLICANT: Boone, Thomas Charles
; APPLICANT: Covey, Todd
; TITLE OF INVENTION: Fibroblast Growth Factor Receptor-Like Molecules and
; FILE REFERENCE: 99-513-A
; CURRENT APPLICATION NUMBER: US/09/815,108
; CURRENT FILING DATE: 2001-03-22
; PRIOR APPLICATION NUMBER: 60/191,379
; PRIOR FILING DATE: 2000-03-22
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 19
; LENGTH: 504
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-815-108-19

Query Match      81.4%; Score 1448; DB 9; Length 504;
Best Local Similarity 99.6%; Pred. No. 2e-101;
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Matches 272; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 50 PVEGDPEPLTMWTKDGRTHSGWRFVLPQGLKVKOVEREDAGVYVCKATNGFSGLSVN 109
    |||||
DB 52 PVEGDPEPLTMWTKDGRTHSGWRFVLPQGLKVKOVEREDAGVYVCKATNGFSGLSVN 111
    |||||

QY 110 YTLVLDLISPGEKSLGPDSSSGQEDPASQOMARPRFTOPSKMRRRVIAAPVGVSSVRLK 169
    |||||
DB 112 YTLVLDLISPGEKSLGPDSSSGQEDPASQOMARPRFTOPSKMRRRVIAAPVGVSSVRLK 171
    |||||

QY 170 CVASGHRPDIITWKKDQALTRPEAAEPRKKWTLSLKNRPDSGKYTCRVSNRAGAIN 229
    |||||
DB 172 CVASGHRPDIITWKKDQALTRPEAAEPRKKWTLSLKNRPDSGKYTCRVSNRAGAIN 231
    |||||

QY 230 ATYKVDVIQRTSRKPVLTGHPVNTTVDGFGTTSFOCKRSDVKPYIOMLKRYEYGAEGR 289
    |||||
DB 232 ATYKVDVIQRTSRKPVLTGHPVNTTVDGFGTTSFOCKRSDVKPYIOMLKRYEYGAEGR 291
    |||||

QY 290 HNSTIDVGQKFFVLPFGDVWSRPDGSYLNKPL 322
    |||||
DB 292 HNSTIDVGQKFFVLPFGDVWSRPDGSYLNKPL 324
    |||||

RESULT 12
US-09-989-722-119
; Sequence 119, Application US/09989722
; Patent No. US20020072067A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C63
; CURRENT APPLICATION NUMBER: US/09/989,722
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
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;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 81.4%; Score 1448; DB 9; Length 504;  
Best Local Similarity 99.6%; Pred. No. 2e-101;  
Matches 272; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 50 PVEGDPPLTMWTKDGTTHSGSRRRLPQGLKVQVEREDAGVYCKATNGPGSLSVN 109  
DB 52 PVEGDEPPLTMWTKDGTTHSGSRFFVLPOGLKQVEREDAGVYCKATNGFGSLSVN 111  
QY 110 YTLVLVDDIISPGKESIGPSSSGQEDPASQOMARPEFTOPSKMRBRVILARPVGSSVRLK 159  
DB 112 YTLVLVDDIISPGKESIGPSSSGQEDPASQOMARPEFTOPSKMRBRVILARPVGSSVRLK 171  
QY 170 CVASGHRPDIITWKKDQALTRPEAAEPKCKWTLISKILRPDSGKYTCRVGNRGAIV 229  
DB 172 CVASGHRPDIITWKKDQALTRPEAAEPKCKWTLISKILRPDSGKYTCRVGNRGAIV 231  
QY 230 ATYKVDVIOFTRSKPVLGTHTPVNTVDFGTTSPQCKVSDVKPVIQMLKRVYGAEGR 289  
DB 232 ATYKVDVIOFTRSKPVLGTHTPVNTVDFGTTSPQCKVSDVKPVIQMLKRVYGAEGR 291  
QY 290 HNSTIDVGQKRYVLPFGDVWSRPDGSYLNKPL 322  
DB 292 HNSTIDVGQKRYVLPFGDVWSRPDGSYLNKPL 324

## RESULT 13

US-09-989-723-119  
; Sequence 119, Application US/09989723  
; Patent No. US20020072092A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kijavlin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Thomas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730P1C62  
; CURRENT APPLICATION NUMBER: US/09/989, 723  
; PRIOR APPLICATION NUMBER: 2001-11-19  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/052250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/065186  
; PRIOR FILING DATE: 1997-11-12  
; PRIOR APPLICATION NUMBER: 60/065311

;; PRIOR FILING DATE: 1997-11-13  
;; PRIOR APPLICATION NUMBER: 60/066770  
;; PRIOR FILING DATE: 1997-11-24  
;; PRIOR APPLICATION NUMBER: 60/075945  
;; PRIOR FILING DATE: 1998-02-25  
;; PRIOR APPLICATION NUMBER: 60/078910  
;; PRIOR FILING DATE: 1998-03-20  
;; PRIOR APPLICATION NUMBER: 60/083322  
;; PRIOR FILING DATE: 1998-04-28  
;; PRIOR APPLICATION NUMBER: 60/084600  
;; PRIOR FILING DATE: 1998-05-07  
;; PRIOR APPLICATION NUMBER: 60/087106  
;; PRIOR FILING DATE: 1998-05-28  
;; PRIOR APPLICATION NUMBER: 60/087607  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087609  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087759  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087827  
;; PRIOR FILING DATE: 1998-06-03  
;; PRIOR APPLICATION NUMBER: 60/088021  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088025  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088026  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088028  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088029  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088030  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088167  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088202  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088212  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088217  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088655  
;; PRIOR FILING DATE: 1998-06-09  
;; PRIOR APPLICATION NUMBER: 60/088734  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088738  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088742  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088810  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088824  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088826  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088858  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088861  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088876  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/089105  
;; PRIOR FILING DATE: 1998-06-12  
;; PRIOR APPLICATION NUMBER: 60/089440  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089512  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089514  
;; PRIOR FILING DATE: 1998-06-16

Query Match	81.4%; Score 1448; DB 9; Length 504;	Best Local Similarity 99.6%; Pred. No. 2e-101;	Matches 272; Conservative 0; Mismatches 1; Indels 0; Gaps 0
Qy	50 PVEGDPPLTMTYKDGRTTSHGWSRFRVLPGGLKVKQYEREDAGVYVCKAINTGFSLSYN	109	
Db	52 PVEGDPPLTMTYKDGRTTSHGWSRFRVLPGGLKVKQYEREDAGVYVCKAINTGFSLSYN	111	
Qy	110 YTVLVVDLDSGKSLGPDSSGGQEDPASQOMAPRPTQPSKMRRIYARVGVSSVRLX	169	
Db	112 YTVLVVDLDSGKSLGPDSSGGQEDPASQOMAPRPTQPSKMRRIYARVGVSSVRLX	171	
Qy	170 CVASGHPRPDITMWMKDDALTRPEAAEPRKKKMTLSLNLRPEDSGKTYCRVSNAGAIN	229	
Db	172 CVASGHPRPDITMWMKDDALTRPEAAEPRKKKMTLSLNLRPEDSGKTYCRVSNAGAIN	231	
Qy	230 ATYKVDVIGRTSRKRVLTGTHPVNTTVDGFGTTSFQCKVRSVDKVIOMLKREYGAEGR	289	
Db	232 ATYKVDVIGRTSRKRVLTGTHPVNTTVDGFGTTSFQCKVRSVDKVIOMLKREYGAEGR	291	
Qy	290 HNSTIDVGQKRVVLPFGDVWSRDPGSLINKPL 322		
Db	292 HNSTIDVGQKRVVLPFGDVWSRDPGSLINKPL 324		

RESULT 14  
US-09-969-279-119  
; Sequence 119, Application US/09969279  
; Patent No. US20020072496A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botsstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Geider, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kijavlin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Pan, James  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
TITLE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: P2730P1C56



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; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

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Query Match 81.4%; Score 1448; DB 9; Length 504;

Best Local Similarity 99.6%; Pred. No. 2e-101; Indels 0; Gaps 0;

Matches 272; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 50 PVEGDPPLTMTWKDGRTHSGNSRPRVLPGSLKYNVEREDAGVYVCKATNGFGSLSVN 109
DB 52 PVEGDPPLTMTWKDGRTHSGNSRPRVLPGSLKYNVEREDAGVYVCKATNGFGSLSVN 111
QY 110 YTLVYLDLDSPEKESIGPPSSSGGQEDPASQOMARRFPQSKMRRVVIARVYVGSVRUK 169
DB 112 YTLVYLDLDSPEKESIGPPSSSGGQEDPASQOMARRFPQSKMRRVVIARVYVGSVRUK 171
QY 170 CVASGHPRPDITWMDKDOALTRPEAEPRKKKWTLSLKNLRPDSGYTCRVSNRAGAIN 229
DB 172 CVASGHPRPDITWMDKDOALTRPEAEPRKKKWTLSLKNLRPDSGYTCRVSNRAGAIN 231
QY 230 ATYKVDVIGRTSRKSPVLSTGTHPVNTTVDFGTTSFQCKVRSVDPKPYQWLKKEVEYGAEGR 289
DB 232 ATYKVDVIGRTSRKSPVLSTGTHPVNTTVDFGTTSFQCKVRSVDPKPYQWLKKEVEYGAEGR 291
QY 290 HNSTIDVGGQKFVYVLPFGVWSRPDGSYLNKPL 322
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## RESULT 15

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; Sequence 119, Application US/09989727
; Patent No. US20020072497A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann

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; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zhenli
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC65
; CURRENT APPLICATION NUMBER: US/09/989,727
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
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; PRIOR APPLICATION NUMBER: 60/066770
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; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10

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PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091633  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091978  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/091982  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/092182  
PRIOR FILING DATE: 1998-07-09

Query Match 81.4%; Score 1448; DB 9; Length 504;  
Best Local Similarity 99.6%; Pred. No. 2e-101;  
Matches 272; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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DB 172 CVASGHRPDIITMKDQALTRPEAAEPKCKWTLSLKNLRPDSGKYTCRVSNRAGAIN 231  
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DB 292 HNSTIDVGOKFVVLPTGDVWSRPDGSYLNKPL 324

Search completed: February 4, 2004, 14:23:00  
Job time : 37 secs







# **STIC Search Report**

## **Biotech-Chem Library**

**STIC Database Tracking Number: 113533**

**TO: Ruixiang Li**  
**Location: REM/4D75**  
**Art Unit: 1646**  
**Thursday, February 05, 2004**

4C 70

**Case Serial Number: 09/823038**

**From: Edward Hart**  
**Location: Biotech-Chem Library**  
**CM1-6B02**  
**Phone: 305-9203**

**edward.hart@uspto.gov**

### **Search Notes**

Examiner Li,

Here are the results of the search you requested.

Please feel free to contact me if you have any questions.

Edward Hart

